NPIC/TD8/D-761-67 23 March 1967

MEMORANDUM FOR:	Chief, Exploitation Systems Branch	
SUBJECT :	Evaluation of Twin Light Source Table with Measuring Stage	25 X 1
l. The sui Source Table de instrument are		25 X 1
Span Rhomb	he design was specifically implemented to include the Wide oid Attachment for the Zoom 70 as well as the ostereoscopes that the original instrument accommodated.	25 X 1
B. A the design	scanning stage with a measuring capability was included in	
an extremely con area (two 6x6 in the size to an a stage is extreme volume. As a rejection to the oprove the scanning have to be increased by only a substantially in	ilosophy of this project was to configure the light table in mpact envelope, while providing a large illuminated viewing nch areas). has been very successful in keeping absolute minimum. The thickness of the light box and scanning ely small considering all the components that utilize that esult of this limitation in size there might be some observation or the smoothness of the scanning stage. To insig uniformity, the size of the translating mechanism would eased, thereby increasing the eyepoint of the microstereoscope, slight increase in the rigidity of these components would necrease the performance. This compromise will be explored if ions are required.	25X1
	chanism to release the stage from the screw drive must be im- ction versions. It was a last minute addition and is ade-	
L. The ac	curacy of the measuring stage is shown in the etteched figure	

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GROUP 1
Excluded from automatic
downgrading and
declassification

and taking the pointing error into account the instrument certainly meets the specification (least count to .0001 foot and accuracy of .0001 ft/inch.)

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SUBJECT:	Evaluation of Stage	Twin Light Source Table with Measuri	ing 25X1
5. 3500 ft-1	The light source	is extremely uniform and bright (approximate and has vortually no flicker.	тУ
versions housing.	is the mounting of In the present m	eature that should be modified on the product of the microstereoscope support slide to the model there is a slight flexing in the housing vibration in the optical path.	main
7. effort.	Overall the contr	ractor performed above average on this fixed	price
		Development Staff, TDS	25X1
	ion: Addressee TDE/DS		
NPIC/TDS/	DS	(23 Mar. 67)	25X1

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in the 55-75 min zone, 2. I concur that improvement in rigidity is required.